

ANNEX XI

SOIL TEST

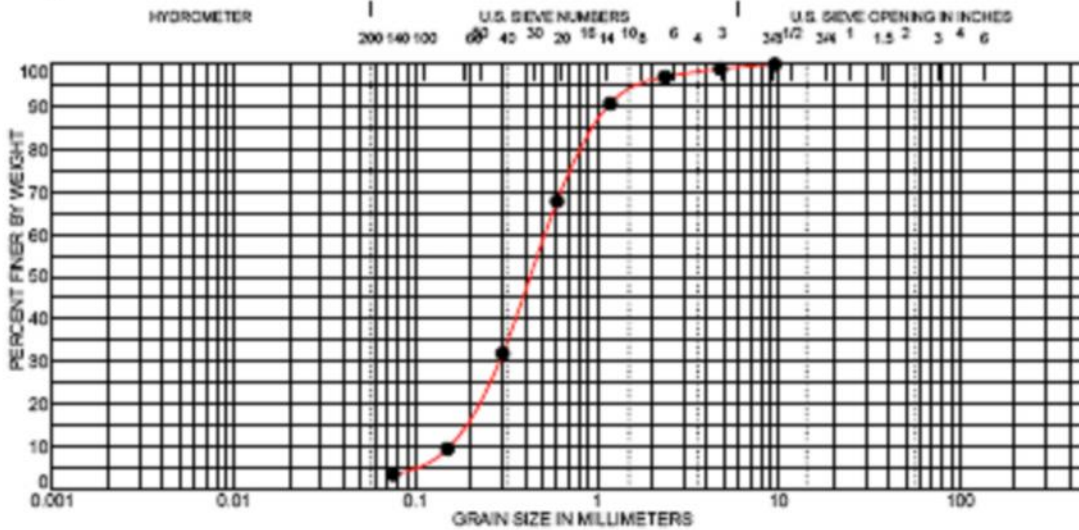


Professional Engineering Services Limited
Belize City, Belize, Central America

CLIENT: Tunich-Nah Consultant & Engineering
PROJECT: Material Testing
JOB No.: 21403
LOCATION: Delivered Samples
SAMPLING DATE:

SIEVE ANALYSIS TO ASTM C-136

Graph Limits:



SILT OR CLAY	SAND			GRAVEL		COBBLES
	fine	medium	coarse	fine	coarse	

SPECIMEN ID	0.075	PERCENTAGE PASSING BY WEIGHT										
		1 1/4"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200
● Sample S51	0.0	28.00	19.00	12.50	9.50	4.75	2.36	1.18	0.60	0.30	0.15	0.075

SPECIMEN ID	CLASSIFICATION	COEFF.		SIZE FRACTIONS %		
		FM	Cu	Gravel	Sand	Fines
● Sample S51	POORLY GRADED SAND(SP)	2.04	3.37	1.0	95.6	3.4

Technician _____ Supervisor _____

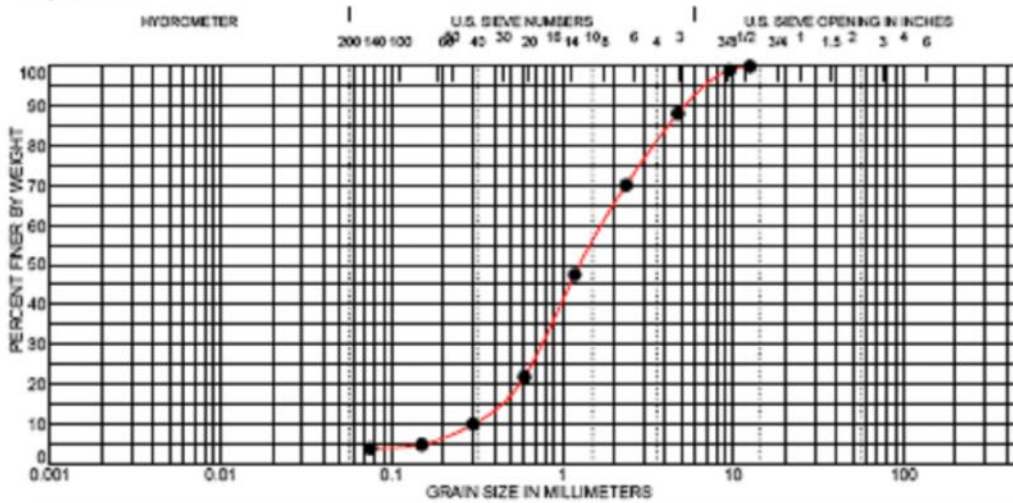


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	fine	medium	coarse	fine	coarse	

SPECIMEN ID	0.0	PERCENTAGE PASSING BY WEIGHT										
		1 1/4"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200
● Sample S53	0.0	28.00	19.00	12.50	9.50	4.75	2.36	1.18	0.60	0.30	0.15	0.075
				100.00	99.11	88.09	70.12	47.55	21.80	9.86	4.72	3.79

SPECIMEN ID	CLASSIFICATION	COEFF.		SIZE FRACTIONS %		
		FM	Cu	Gravel	Sand	Fines
● Sample S53	0.0 POORLY GRADED SAND(SP)	3.59	5.72	11.9	84.3	3.8

PE 3 SAMPLE SIEVE ANALYSIS N. 21403-GSU RESMVGDT 1656X6

Technician _____

Supervisor _____

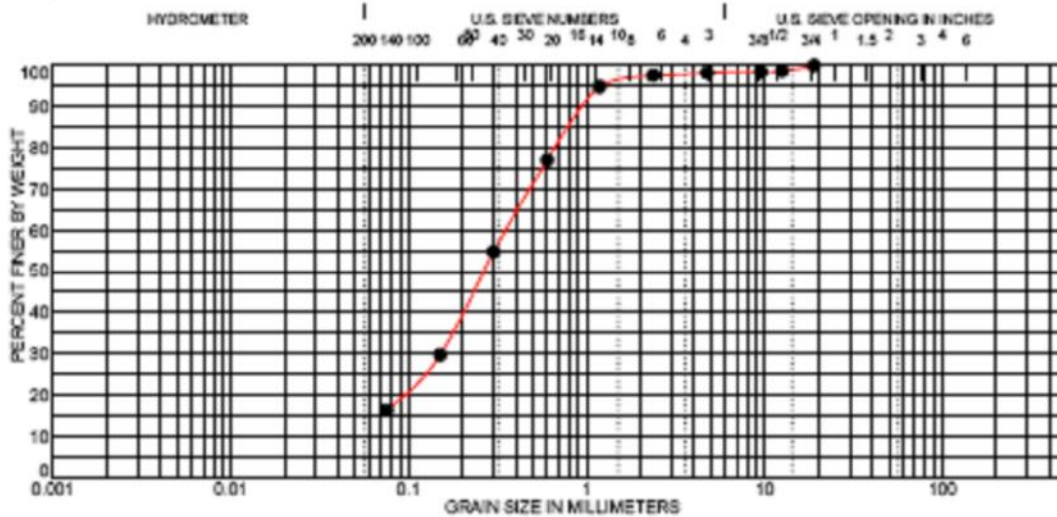


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SILT OR CLAY	SAND			GRAVEL		COBBLES
	fine	medium	coarse	fine	coarse	

SPECIMEN ID	0.0	PERCENTAGE PASSING BY WEIGHT										
		1 1/4"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200
● Sample S55	0.0	28.00	19.00	12.50	9.50	4.75	2.36	1.18	0.60	0.30	0.15	0.075
		100.00	98.71	98.50	98.28	97.64	94.89	77.04	54.76	29.74	16.27	

SPECIMEN ID	CLASSIFICATION	COEFF.		SIZE FRACTIONS %		
		FM	Cu	Gravel	Sand	Fines
● Sample S55	0.0	1.49		1.7	82.0	16.3

PES_SAMPLE_SIEVE_ANALYSIS_N_21403.GPJ_PES.MKV.GDT 16/6/08

Technician _____ Supervisor _____

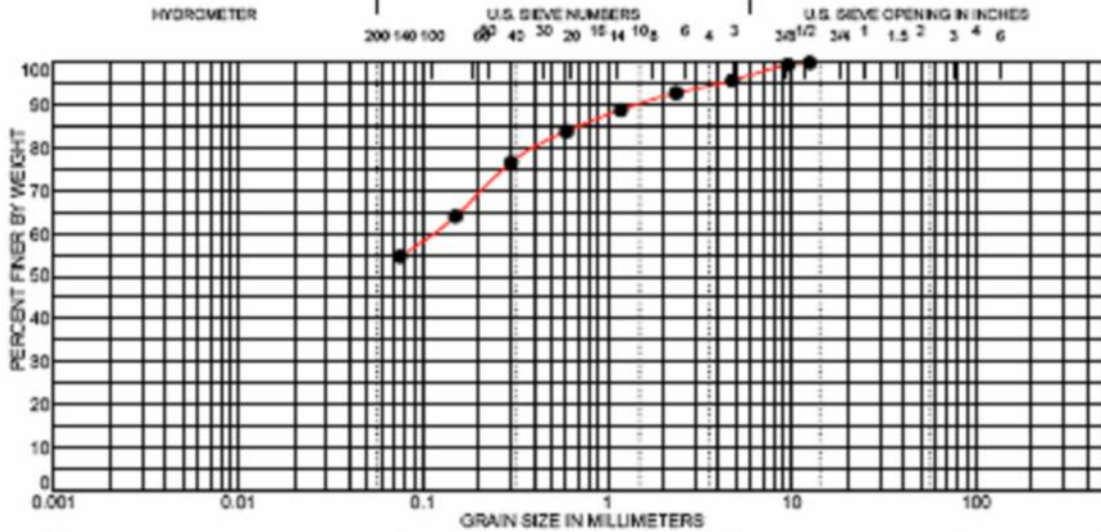


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SIEVE ANALYSIS TO ASTM C-136

Graph Limits:



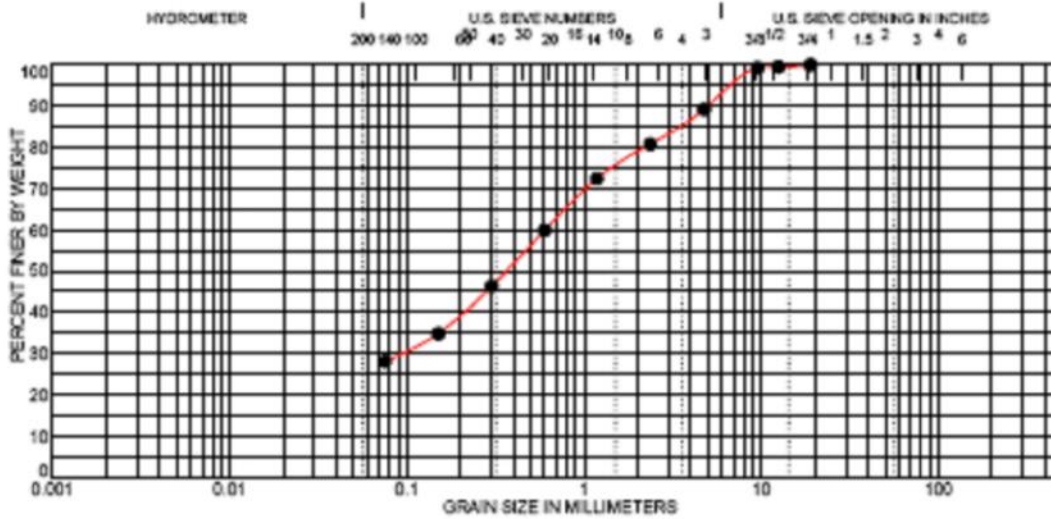


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Graph Limits:



SILT OR CLAY	SAND			GRAVEL		COBBLES
	fine	medium	coarse	fine	coarse	

SPECIMEN ID	0.0	PERCENTAGE PASSING BY WEIGHT										
		1 1/4"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200
		28.00	19.00	12.50	9.50	4.75	2.36	1.18	0.60	0.30	0.15	0.075
● Sample 2b	0.0	100.00	99.52	99.28	89.23	80.79	72.43	59.89	46.30	34.81	28.05	

SPECIMEN ID	CLASSIFICATION	COEFF.		SIZE FRACTIONS %		
		FM	Cu	Gravel	Sand	Fines
● Sample 2b	0.0	2.17		10.8	61.2	28.1

PES SAMPLE SIEVE ANALYSIS N. 21403.GPJ RES:NEW.GDT 166608

Technician _____ Supervisor _____